| Index of | Claims |
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Application No.

10/613,353

Examiner

LADRE ET AL.

Applicant(s)

Art Unit

Jiping Lu

3749

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected Interference

Appeal Α o Objected

| Cla      | aim      | Date     |          |   |              |              |              | _            |              | Cla  | Date      |              |          |                 |          |          | - [          | Cl                 | aim                 | Date      |          |     |       |            |          |              |          |     |           |          |           |          |                 |
|----------|----------|----------|----------|---|--------------|--------------|--------------|--------------|--------------|--|-----------|--------------|----------|-----------------|----------|----------|--------------|--------------------|---------------------|-----------|----------|-----|-------|------------|----------|--------------|----------|-----|-----------|----------|-----------|----------|-----------------|
| _        | <u></u>  | <b>.</b> |          |   |              |              |              |              |              |  |           | _            | <u>8</u> |                 |          |          |              |                    |                     |           | ١        |     | _     | ā          |          |              |          |     |           |          | 1         |          |                 |
| Final    | Original | 6/4/04   |          |   |              |              |              |              | l            |  |           | Final        | Original |                 |          |          |              |                    |                     |           |          |     | Final | Original   |          |              |          |     |           |          |           |          |                 |
| 1        | ō        | 9        |          |   |              |              |              |              |              |  |           | ш            | ō        |                 |          |          |              |                    |                     |           |          |     | ш.    | ō          |          |              |          |     | ľ         |          |           |          |                 |
|          | 1        | ÷        | -        |   | -            |              |              | ├—           | ├            |  |           |              | 51       |                 | -+       | +        | +            | $\vdash$           | $\dashv$            | $\dashv$  | $\dashv$ |     |       | 101        |          | $\vdash$     |          |     |           |          |           | $\dashv$ | 괵               |
| <u> </u> | 2        | +        | -        | _ | -            |              | ├            |              | -            | -  |           |              | 52       | -               |          |          |              | 1-                 | -                   | $\dashv$  | ᅥ        |     |       | 102        | -        | <del> </del> | -        | -   | $\dashv$  | -        | -+        | $\dashv$ | $\dashv$        |
| <u> </u> | 3        | ÷        | -        |   |              |              |              |              | $\vdash$     | H  |           |              | 53       | $\dashv$        | $\dashv$ |          | +            | Н                  | $\dashv$            | ┪         | $\neg$   |     |       | 103        | _        |              |          | -   | $\dashv$  | $\dashv$ | 1         | $\dashv$ | $\overline{}$   |
|          | 4        | +        |          |   |              |              | $\vdash$     |              | ┢            | <u> </u>   |           |              | 54       |                 | T        | 1        | $\top$       | П                  | $\dashv$            | _         | $\neg$   |     |       | 104        |          |              |          |     | $\neg$    |          | 一         | $\neg$   | $\neg$          |
|          | 5        | ÷        |          |   |              |              | T-           | 1            |              |  |           |              | 55       |                 |          | _        | 1            | П                  | П                   | $\dashv$  | ヿ        |     |       | 105        |          |              |          |     |           | $\neg$   |           | $\neg$   |                 |
|          | 6        | +        |          |   |              |              | Г            |              |              |  |           |              | 56       |                 |          |          |              |                    |                     |           |          |     |       | 106        |          |              |          |     |           | 丁        |           |          |                 |
|          | 7        | ÷        |          |   |              |              |              |              |              |  |           |              | 57       |                 |          |          |              |                    |                     |           |          |     |       | 107        |          |              |          |     |           |          |           |          |                 |
|          | 8        | +        |          |   | L            | L            |              | ļ            | <u> </u>     |  | 1 : 1 : 1 |              | 58       |                 |          |          | 1            |                    |                     | _         |          |     |       | 108        |          |              |          |     | $\Box$    | _        | _         | $\Box$   |                 |
| <u> </u> | 9        | ÷        |          |   |              | _            |              |              | <u> </u>     |  |           |              | 59       |                 |          |          | 1            |                    |                     |           |          |     |       | 109        |          |              |          |     |           | _        | _         |          | _               |
| ļ        | 10       | ÷        | _        |   | _            | _            | _            |              | _            | _  |           |              | 60       | _               | _        | _ _      | -            | <b>↓</b>           |                     | 4         |          |     |       | 110        |          |              | Ш        |     | _         | _        | -         | _        | _               |
| <u> </u> | 11       | ÷        |          |   | ļ            | <u> </u>     | <u> </u>     | $\vdash$     | $\vdash$     | -  |           |              | 61       | _               | $\dashv$ |          | +            | $\vdash$           | $\vdash$            |           |          |     |       | 111        | H        | H            | Н        |     | -         | $\dashv$ | $\dashv$  | $\dashv$ | ႕               |
| -        | 12<br>13 | ÷        |          |   |              | ├—           | $\vdash$     |              | $\vdash$     |  |           | -            | 62<br>63 |                 | $\dashv$ | +        | +            | $\vdash$           | $\vdash$            | $\dashv$  |          |     |       | 112<br>113 | H        |              | H        |     | -         | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$        |
|          | 14       | ÷        |          |   | $\vdash$     | $\vdash$     | ├            |              | -            | -  |           | _            | 64       |                 |          |          |              | +                  | $\vdash$            | $\dashv$  | $\dashv$ |     |       | 114        |          |              | $\vdash$ |     |           |          | -         |          | ㅓ               |
|          | 15       | ÷        | $\vdash$ | _ | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | <del>                                     </del> |           |              | 65       | $\dashv$        | +        | +        | +            | +-                 | $\vdash$            | $\dashv$  | $\dashv$ |     |       | 115        | -        |              | Н        |     | $\vdash$  | $\dashv$ | $\dashv$  |          |                 |
|          | 16       | +        | -        |   |              | _            | 一            | $\vdash$     | $\vdash$     | $\vdash$   |           |              | 66       |                 |          |          | +            | H                  | H                   |           | $\neg$   |     |       | 116        |          |              |          |     |           | _        | 1         | $\dashv$ | $\neg$          |
|          | 17       | ÷        |          | _ | <u> </u>     | $\vdash$     |              | -            | -            | †  |           |              | 67       |                 | _        | $\top$   | $\top$       | T                  |                     | _         | $\neg$   |     |       | 117        |          |              |          |     |           | 一        |           | $\neg$   |                 |
| <u> </u> | 18       | ÷        |          |   |              |              |              |              |              |  |           |              | 68       |                 | 7        | $\top$   | +            |                    |                     | 7         |          |     |       | 118        |          | -            |          |     |           | ヿ        | $\exists$ | $\neg$   |                 |
|          | 19       | +        |          |   |              |              |              |              | Ī            |  |           |              | 69       |                 | $\neg$   | $\top$   | T            |                    |                     |           |          |     |       | 119        |          |              |          |     |           |          |           |          |                 |
|          | 20       | +        |          |   |              |              |              |              |              |  |           |              | 70       |                 |          |          |              |                    |                     |           |          |     |       | 120        |          |              |          |     |           |          |           |          |                 |
|          | 21       |          |          |   |              |              |              |              |              |  |           |              | 71       |                 |          |          |              |                    |                     | _         |          |     |       | 121        |          |              |          |     |           | _        | _         |          |                 |
|          | 22       |          |          |   |              |              | <u>L</u>     |              | <u> </u>     | L  |           |              | 72       | _               | _        | _        | 1            | $oxed{oxed}$       |                     | _         |          |     |       | 122        | _        |              |          |     |           | _        |           |          | Ш               |
| <u> </u> | 23       | <u> </u> |          |   | <b> </b>     |              | <u> </u>     | _            | <u> </u>     | <u> </u>   |           |              | 73       | $\dashv$        | _        | $\perp$  | $\downarrow$ | <u> </u>           |                     | _         |          |     |       | 123        |          | _            |          |     |           |          |           | _        | Ш               |
| <u> </u> | 24       | <u> </u> |          |   | ┡            |              | ļ            | <u> </u>     | ┡            | -  |           |              | 74       | $\dashv$        |          | +        | +            | $\vdash$           | -                   | -         |          |     |       | 124        |          | <u> </u>     | ļ        |     |           |          |           |          | H               |
| <u>├</u> | 25       | -        |          |   | ⊢            |              | <u> </u>     | ⊢            | Ͱ            | ╁  |           |              | 75<br>76 | -               | -        | +        | +-           | ┾                  |                     | -         |          |     |       | 125<br>126 | ├        | -            | _        |     |           |          | -         | $\dashv$ | $\vdash$        |
| <u> </u> | 26<br>27 | -        | -        |   | -            |              | ┢            |              | ⊢            | $\vdash$   | 1         |              | 77       |                 | -+       | +        | ╁            | $\vdash$           |                     | $\dashv$  |          |     |       | 127        | -        | ⊢            | -        | _   |           |          | -+        | $\dashv$ | Н               |
|          | 28       | ├-       |          |   | H            |              | 1            | ⊢            | ╁            | ╁  |           |              | 78       | $\dashv$        | $\dashv$ | +        |              | ╁                  |                     |           |          |     |       | 128        |          |              |          | -   | -         | _        | $\dashv$  | $\dashv$ | $\vdash$        |
| $\vdash$ | 29       | ├─       | -        |   | <del> </del> |              | H            | $\vdash$     | $\vdash$     | 1  | 1         |              | 79       |                 | +        | +        | ╁            | $\vdash$           |                     | -         |          |     |       | 129        | $\vdash$ |              | $\vdash$ |     |           |          | 寸         | $\dashv$ | $\sqcap$        |
| $\vdash$ | 30       | $\vdash$ |          |   |              |              | ╁            | <del> </del> | <del> </del> | <del> </del>                                     | 1         |              | 80       | $\neg$          | 7        | $\dashv$ | +            | $\vdash$           |                     | $\dashv$  |          |     |       | 130        | -        |              | $\vdash$ |     |           | 一        | 寸         | $\neg$   |                 |
|          | 31       |          | Г        |   |              |              |              |              |              |  |           |              | 81       |                 |          | 1        | 1            |                    |                     |           |          |     |       | 131        |          |              |          |     |           |          | - 50      |          |                 |
|          | 32       | Π        | Г        |   | Π            |              |              | Г            | T            | Т  |           |              | 82       |                 |          |          |              |                    |                     |           |          |     |       | 132        |          |              |          |     |           |          |           |          |                 |
|          | 33       |          |          |   |              |              |              |              |              |  |           |              | 83       |                 |          |          |              |                    |                     |           |          |     |       | 133        | Ĺ.       |              |          |     |           |          | $\bot$    | _]       |                 |
| ļ        | 34       |          | <u> </u> |   |              | L            |              |              |              | $oxedsymbol{oxed}$                               |           |              | 84       | Ш               |          | _        | _            | $\perp$            | Ш                   | [         |          |     |       | 134        | _        | <u> </u>     | <u> </u> |     | $\sqcup$  |          | _         |          | Ш               |
|          | 35       | _        | ऻ_       | _ | <u> </u>     |              | <u> </u>     | <u> </u>     | <u> </u>     |  |           |              | 85       |                 | _        | $\perp$  | _            | $\perp$            |                     |           | _        |     |       | 135        | ļ        | <u> </u>     | _        |     | -         | _        | $\dashv$  | _        | $\vdash \vdash$ |
|          | 36       | <u> </u> | <u> </u> |   | <u> </u>     | <u> </u>     | $\vdash$     | <u> </u>     | <del> </del> | -  |           | <u> </u>     | 86       |                 | +        | +        | +            | $\vdash$           | $\vdash \downarrow$ |           | _        |     |       | 136        | ļ        | <u> </u>     | $\vdash$ | L., |           |          | $\dashv$  | _        | Н               |
|          | 37       |          |          |   |              | <del> </del> | ⊢            | -            | -            | $\vdash$   |           |              | 87       | $\vdash$        | +        |          | +-           | -                  | $\vdash \vdash$     | $\dashv$  | $\dashv$ |     |       | 137<br>138 | $\vdash$ | ⊢            |          |     | $\vdash$  |          | $\dashv$  | -        |                 |
|          | 38<br>39 |          | $\vdash$ |   | H            |              | $\vdash$     | ├            | $\vdash$     | ├  | 1         | <del> </del> | 88<br>89 | $\vdash \vdash$ | +        | +        | +            | +                  |                     |           | $\dashv$ |     |       | 138        | -        | $\vdash$     | -        |     | $\vdash$  | $\dashv$ | $\dashv$  |          | $\vdash$        |
|          | 40       | -        | $\vdash$ |   | ├            | $\vdash$     | $\vdash$     | -            | $\vdash$     | $\vdash$   | 1         | <del> </del> | 90       | $\vdash$        |          | +        | +            | $\vdash$           | $\vdash$            | $\dashv$  | -        |     |       | 140        | $\vdash$ | <del> </del> |          |     | $\vdash$  | $\dashv$ | $\dashv$  | $\dashv$ | $\vdash$        |
|          | 41       | $\vdash$ | -        |   | -            |              | <del> </del> | -            | $\vdash$     | -  | 1         | _            | 91       | -               | +        | +        | +            | $\vdash$           | $\vdash \vdash$     | $\dashv$  | $\dashv$ |     |       | 141        | -        | $\vdash$     | -        |     |           | -        | 7         | -        | -               |
|          | 42       | $\vdash$ | $\vdash$ |   | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | $t^{-}$  | 1         | <del></del>  | 92       | -               | -        | +        | $\dagger$    | T                  | $\vdash$            | 寸         | -        |     |       | 142        | 一        | Т            |          |     |           | 一        | $\dashv$  | $\dashv$ | П               |
|          | 43       |          | Т        |   | Т            |              | П            |              | Г            | T  | 1         | <u> </u>     | 93       |                 | $\top$   | +        | 1            |                    | П                   | 寸         |          |     |       | 143        |          |              |          |     |           | 一        | $\Box$    | $\neg$   | $\Box$          |
|          | 44       |          |          |   |              |              |              |              |              |  | ]         |              | 94       |                 |          |          |              |                    |                     | 丁         |          |     |       | 144        |          |              |          |     |           |          |           |          |                 |
|          | 45       |          | L        |   |              |              | L            |              |              |  |           |              | 95       |                 |          | $\Box$   | $oxed{oxed}$ |                    |                     | $\supset$ |          |     |       | 145        |          |              |          |     |           |          |           |          |                 |
|          | 46       |          |          |   |              |              |              |              |              |  |           |              | 96       |                 | $\perp$  |          |              |                    |                     |           |          |     |       | 146        |          | 匚            |          |     |           |          |           |          |                 |
|          | 47       |          |          |   |              |              |              |              |              |  |           |              | 97       | $oxed{oxed}$    | $\bot$   | $\perp$  |              | $oxedsymbol{oxed}$ | Ш                   | [         | _]       |     |       | 147        |          |              |          |     |           |          |           | ]        |                 |
|          | 48       | _        | <u> </u> |   | <u> </u>     | L            | <u> </u>     | <u> </u>     | $\perp$      | _  |           | <u> </u>     | 98       | <u> </u>        | $\dashv$ | _        | 4            | _                  | Щ                   | _         | _        |     |       | 148        | $\vdash$ | <u> </u>     | <u> </u> |     | Ш         |          |           |          | Ш               |
|          | 49       | -        | ┞        |   |              |              | $\vdash$     | <u>L</u>     | <u> </u>     | <u> </u>   |           | <u> </u>     | 99       | $\sqcup$        | +        | 4        | 4            | $\vdash$           | $\vdash \downarrow$ | _         | 4        |     |       | 149        | _        | <b>├</b>     | <u> </u> |     | $\square$ | _        | $\dashv$  | $\dashv$ | $\vdash$        |
|          | 50       |          |          |   | <u> </u>     |              |              | _            | 1            | Ц.   | ]         | L            | 100      |                 |          |          |              | L.,                | Ш                   | _         |          | Hij |       | 150        | <u> </u> |              |          |     | Ш         |          |           |          | ш               |